

GenCore version 5.1.6  
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OM protein - protein search, using bw model

Run on: November 5, 2005, 17:13:16 ; Search time 116 Seconds  
(without alignments)  
1774.633 Million cell updates/sec

Perfect score: 2527  
Sequence: 1 NWKPFALTHYMLRFLVPL.....TDMPTTEVTVIVREBNR 492

Scoring table: BLOSUM62  
Gapop 10.0, Gapext 0.5

Searched: 1867879 seqs, 418409474 residues

Total number of hits satisfying chosen parameters: 1867879

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 1500 summaries

Database :

Published Applications AA:\*

- 1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*
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- 18: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*
- 19: /cgn2\_6/ptodata/1/pubpaa/US11\_PUBCOMB.pep.\*
- 20: /cgn2\_6/ptodata/1/pubpaa/US11\_NEW\_PUB.pep.\*
- 21: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*
- 22: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
35	2527	100.0	492	14	US-10-167-749-7
45	2527	100.0	492	14	US-10-210-951-16
47	2527	100.0	492	14	US-10-211-884-16
73	2527	100.0	492	15	US-10-170-481A-7
75	2527	100.0	492	15	US-10-210-028-7
80	2527	100.0	492	15	US-10-162-521A-7
81	2527	100.0	492	15	US-10-211-858-16
93	2527	100.0	492	17	US-10-918-851-7
94	2527	100.0	492	17	US-10-805-667-7
95	2527	100.0	492	17	US-10-897-359-7
96	2527	100.0	492	17	US-10-893-802-7
97	2527	100.0	492	17	US-10-897-360-7

98	2527	100.0	492	17	US-10-367-057-48	Sequence 48, Appl
100	2527	100.0	492	20	US-11-129-762-7	Sequence 7, Appl
101	2527	99.8	492	16	US-10-169-596A-2	Sequence 2, Appl
102	2527	99.8	492	18	US-10-489-125B-3	Sequence 3, Appl
103	2502	99.0	492	16	US-10-169-596A-16	Sequence 16, Appl
104	2285	90.4	445	16	US-10-839-882-8	Sequence 8, Appl
105	1396.5	55.3	306	16	US-10-450-763-40635	Sequence 40635, A
106	1162	46.0	459	18	US-10-450-763-40636	Sequence 40636, A
107	1063	42.1	207	15	US-10-351-334-320	Sequence 320, App
108	1049	41.5	205	15	US-10-264-237-2326	Sequence 2326, App
109	812	32.1	161	18	US-10-472-533-388	Sequence 388, App
110	812	32.1	162	15	US-10-351-334-160	Sequence 160, App
111	586	23.2	114	15	US-10-351-334-121	Sequence 321, App
112	256	10.1	47	9	US-09-864-761-40397	Sequence 40397, A
113	193	7.6	40	9	US-09-864-761-41066	Sequence 41066, A
114	122.5	4.8	512	15	US-10-161-993-36	Sequence 36, Appl
115	118.5	4.7	518	18	US-10-724-972A-6261	Sequence 6261, App
116	111	4.4	556	16	US-10-474-792-242	Sequence 242, App
117	109.5	4.3	522	16	US-10-425-115-327280	Sequence 327280, A
118	108.5	4.3	361	15	US-10-424-599-147020	Sequence 147020, A
119	108.5	4.3	492	15	US-10-282-122A-76094	Sequence 76094, A
120	108	4.3	533	14	US-10-214-867A-9	Sequence 9, Appl
121	108	4.3	740	15	US-10-282-122A-75847	Sequence 75847, A
122	108	4.3	751	9	US-09-815-242-14001	Sequence 14001, A
123	107	4.2	486	16	US-10-437-963-159111	Sequence 159111, A
124	106	4.2	466	15	US-10-282-122A-53222	Sequence 53222, A
125	105.5	4.2	711	15	US-10-369-493-3168	Sequence 3168, App
126	105.5	4.2	1230	14	US-10-156-761-14097	Sequence 14097, A
127	105	4.2	499	15	US-10-425-114-40938	Sequence 40938, A
128	105	4.2	499	15	US-10-425-114-42517	Sequence 42517, A
129	105	4.2	1019	15	US-10-335-977-5444	Sequence 5444, App
130	104.5	4.1	447	16	US-10-474-792-502	Sequence 502, App
131	104.5	4.1	467	15	US-10-282-122A-66783	Sequence 66783, App
132	104	4.1	548	15	US-10-282-122A-57565	Sequence 57565, A
133	103.5	4.1	398	15	US-10-282-122A-58458	Sequence 58458, A
134	103.5	4.1	551	14	US-10-127-032-125	Sequence 125, App
135	103.5	4.1	551	15	US-10-389-647-689	Sequence 689, App
136	103.5	4.1	840	18	US-10-502-667-1	Sequence 1, Appl
137	103.5	4.1	1061	15	US-10-415-934-9	Sequence 9, Appl
138	103.5	4.1	1061	20	US-11-097-143-23451	Sequence 23451, A
139	103	4.1	207	15	US-10-424-599-192311	Sequence 192311, A
140	103	4.1	1058	14	US-10-300-473-5	Sequence 5, Appl
141	103	4.1	1058	18	US-10-967-091-26	Sequence 26, Appl
142	103	4.1	1210	14	US-10-128-714-3078	Sequence 3078, App
143	103	4.1	1246	14	US-10-128-714-8078	Sequence 8078, App
144	102.5	4.1	553	18	US-10-501-282-1586	Sequence 1586, App
145	102.5	4.1	559	18	US-10-501-282-1586	Sequence 1586, App
146	102.5	4.1	559	18	US-10-501-282-1590	Sequence 1590, App
147	102.5	4.1	566	9	US-09-971-361-7	Sequence 7, Appl
148	102.5	4.1	566	20	US-11-108-870-7	Sequence 7, Appl
149	102.5	4.1	853	14	US-10-156-761-11724	Sequence 11724, A
150	102	4.0	1019	8	US-08-834-705-18	Sequence 18, Appl
151	102	4.0	1020	10	US-09-882-227-188	Sequence 188, App
152	101.5	4.0	960	15	US-10-282-122A-61140	Sequence 61140, A
153	101	4.0	360	15	US-10-424-599-277493	Sequence 277493, A
154	101	4.0	377	15	US-10-425-114-44189	Sequence 44189, A
155	101	4.0	446	15	US-10-282-122A-77258	Sequence 77258, A
156	101	4.0	623	16	US-10-425-115-193134	Sequence 193134, A
157	101	4.0	664	16	US-10-416-898-6	Sequence 6, Appl
158	100.5	4.0	406	15	US-10-627-124-4	Sequence 4, Appl
159	100.5	4.0	450	17	US-10-732-923-23795	Sequence 23795, A
160	100.5	4.0	461	15	US-10-104-047-3865	Sequence 3865, App
161	100.5	4.0	655	15	US-10-282-122A-77304	Sequence 77304, App
162	100	4.0	326	18	US-10-501-282-5160	Sequence 5160, App
163	100	4.0	327	18	US-10-501-282-5142	Sequence 5142, App
164	100	4.0	487	15	US-10-369-493-12592	Sequence 12592, A
165	100	4.0	557	16	US-10-437-963-201648	Sequence 201648, A
166	100	4.0	597	15	US-10-369-493-12700	Sequence 12700, A
167	100	4.0	880	15	US-10-436-715-31	Sequence 31, Appl
168	100	4.0	880	15	US-10-436-715-81	Sequence 81, Appl
169	99.5	3.9	402	15	US-10-282-122A-66605	Sequence 66605, A
170	99.5	3.9	534	15	US-10-282-122A-77170	Sequence 77170, A
171	99	3.9	519	15	US-10-409-701-19	Sequence 19, Appl

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OM protein - protein search, using sw model

Run on: November 5, 2005, 17:26:05 ; Search time 43 Seconds  
(without alignments)  
854.124 Million cell updates/sec

Title: US-10-017-086A-7  
Perfect score: 2527  
Sequence: 1 MWKPPALTHYPLIFLVL.....TDMPTTEVTIVREERNE 492

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 1500 summaries

Database : Issued Patents, AA:  
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Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1063	42.1	207	4 US-09-489-847-320	Sequence 320, App
2	812	32.1	162	4 US-09-489-847-160	Sequence 160, App
3	586	22.2	114	4 US-09-489-847-321	Sequence 321, App
4	118.5	4.7	518	4 US-09-134-001C-4744	Sequence 4744, App
5	114.5	4.5	329	4 US-09-902-540-15354	Sequence 15354, App
6	109.5	4.3	610	3 US-08-970-725-2	Sequence 2, App1
7	108.5	4.3	361	3 US-09-196-520-6	Sequence 6, App1
8	104.5	4.1	610	3 US-08-212-188-2	Sequence 2, App1
9	104.5	4.1	610	5 PCT-US95-02708-2	Sequence 2, App1
10	104	4.1	536	4 US-09-107-532A-5507	Sequence 5507, App
11	103	4.1	631	4 US-09-107-532A-3902	Sequence 3902, App
12	103	4.1	1058	2 US-08-687-282A-5	Sequence 5, App1
13	103	4.1	1058	4 US-09-435-897-5	Sequence 5, App1
14	101.5	4.0	677	4 US-09-543-681A-6388	Sequence 6388, App
15	100.5	4.0	413	4 US-09-540-236-3672	Sequence 3672, App
16	100	4.0	644	4 US-09-252-991A-21730	Sequence 21730, App
17	99	3.9	563	4 US-09-949-015-10317	Sequence 10317, App
18	99	3.9	584	4 US-09-693-746-22	Sequence 22, App1
19	98.5	3.9	472	4 US-09-934-899-10	Sequence 10, App1
20	98.5	3.9	472	4 US-09-934-899-10	Sequence 10, App1
21	98.5	3.9	516	4 US-09-252-991A-21329	Sequence 21329, App
22	98	3.9	534	4 US-09-328-352-6713	Sequence 6713, App
23	98	3.9	619	4 US-09-540-236-2377	Sequence 2377, App
24	96.5	3.8	509	4 US-09-252-991A-30864	Sequence 30864, App
25	96.5	3.8	528	2 US-08-403-852D-21	Sequence 21, App1
26	96.5	3.8	528	2 US-08-510-646B-22	Sequence 22, App1
27	96.5	3.8	528	3 US-09-231-818-21	Sequence 21, App1

28	96.5	3.8	528	4 US-09-635-359B-21	Sequence 21, App1
29	96.5	3.8	962	3 US-09-134-001C-3105	Sequence 3105, App
30	96.5	3.8	808	4 US-09-328-352-7942	Sequence 7942, App
31	95.5	3.8	3287	2 US-08-477-451-7	Sequence 7, App1
32	95	3.8	768	4 US-09-489-039A-12897	Sequence 12897, App
33	94.5	3.7	801	4 US-09-710-279-2020	Sequence 2020, App
34	94	3.7	359	4 US-09-828-523A-14	Sequence 14, App1
35	94	3.7	370	4 US-09-828-523A-74	Sequence 74, App1
36	94	3.7	450	4 US-09-252-991A-28134	Sequence 28134, App
37	93.5	3.7	350	1 US-07-759-568-3	Sequence 3, App1
38	93.5	3.7	551	3 US-09-196-520-9	Sequence 9, App1
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46	92.5	3.7	466	4 US-09-489-039A-12781	Sequence 12781, App
47	92.5	3.7	513	4 US-09-489-039A-12877	Sequence 12877, App
48	92	3.6	315	1 US-08-118-270-34	Sequence 34, App1
49	92	3.6	315	5 PCT-US93-08528-34	Sequence 34, App1
50	92	3.6	483	4 US-09-134-000C-4234	Sequence 4234, App
51	91.5	3.6	318	4 US-09-489-039A-10467	Sequence 10467, App
52	91.5	3.6	350	3 US-08-430-286A-8	Sequence 8, App1
53	91.5	3.6	451	4 US-09-328-352-7659	Sequence 7659, App
54	91.5	3.6	456	4 US-09-583-110-3651	Sequence 3651, App
55	91.5	3.6	460	4 US-09-107-433-5001	Sequence 5001, App
56	91	3.6	375	4 US-09-252-991A-27411	Sequence 27411, App
57	91	3.6	454	4 US-09-489-847-305	Sequence 305, App
58	91	3.6	467	4 US-09-196-452A-443	Sequence 443, App
59	91	3.6	479	4 US-09-438-185A-426	Sequence 426, App
60	91	3.6	542	4 US-09-902-540-10085	Sequence 10085, App
61	91	3.6	487	4 US-09-252-991A-19270	Sequence 19270, App
62	91	3.6	675	4 US-09-533-029-52	Sequence 52, App1
63	90.5	3.6	312	4 US-09-489-039A-11138	Sequence 11138, App
64	90.5	3.6	448	4 US-09-328-352-5694	Sequence 5694, App
65	90.5	3.6	457	4 US-09-107-532A-4534	Sequence 4534, App
66	90.5	3.6	557	4 US-09-540-236-2206	Sequence 2206, App
67	90.5	3.6	595	2 US-08-677-049A-11	Sequence 11, App1
68	90.5	3.6	638	4 US-09-252-991A-18036	Sequence 18036, App
69	90	3.6	363	1 US-08-146-209A-3	Sequence 3, App1
70	90	3.6	431	4 US-09-549-848B-6	Sequence 6, App1
71	90	3.6	502	4 US-09-248-796A-16824	Sequence 16824, App
72	89.5	3.5	350	4 US-09-826-509-499	Sequence 499, App
73	89.5	3.5	453	4 US-09-583-110-1842	Sequence 3842, App
74	89.5	3.5	461	4 US-09-107-433-3722	Sequence 3722, App
75	89.5	3.5	482	4 US-09-902-540-16249	Sequence 16249, App
76	89.5	3.5	1528	1 US-08-463-092B-6	Sequence 6, App1
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78	89.5	3.5	1528	2 US-08-463-092B-6	Sequence 6, App1
79	89.5	3.5	1528	3 US-08-463-092B-6	Sequence 6, App1
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81	89	3.5	316	4 US-09-107-532A-6643	Sequence 6643, App
82	89	3.5	433	4 US-09-252-991A-23726	Sequence 23726, App
83	89	3.5	458	4 US-09-489-039A-10560	Sequence 10560, App
84	88.5	3.5	319	4 US-09-583-110-2977	Sequence 2977, App
85	88.5	3.5	341	4 US-09-107-433-4956	Sequence 4956, App
86	88.5	3.5	409	4 US-09-252-991A-19033	Sequence 19033, App
87	88.5	3.5	420	4 US-09-107-532A-4006	Sequence 4006, App
88	88.5	3.5	424	4 US-09-107-532A-5459	Sequence 5459, App
89	88.5	3.5	486	4 US-09-178-093B-1	Sequence 1, App1
90	88.5	3.5	509	4 US-09-800-729-93	Sequence 93, App1
91	88.5	3.5	526	4 US-09-800-729-180	Sequence 180, App
92	88	3.5	401	4 US-09-543-661A-5305	Sequence 5305, App
93	88	3.5	426	4 US-09-489-039A-9805	Sequence 9805, App
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97	87.5	3.5	367	3 US-09-134-001C-5557	Sequence 5557, App
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99	87.5	3.5	428	4 US-09-438-185A-682	Sequence 682, App
100	87.5	3.5	444	4 US-09-328-352-5249	Sequence 5249, App

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: November 4, 2005, 13:42:35 ; Search time 3300 Seconds

(without alignments)  
7380.187 Million cell updates/sec

Perfect score: 2945

Sequence: 1 cgcctgcctccctgcctccctc.....aattgctctaatacaaaaa 2945

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 9794790 seqs, 413490567 residues

Total number of hits satisfying chosen parameters: 19589580

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 1500 summaries

Database :

Published Applications NA.\*  
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Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
35	2945	100.0	2945	US-10-167-749-6	Sequence 6, Appl1
45	2945	100.0	2945	US-10-210-951-15	Sequence 15, Appl1
47	2945	100.0	2945	US-10-211-884-15	Sequence 15, Appl1
73	2945	100.0	2945	US-10-170-481A-6	Sequence 6, Appl1
75	2945	100.0	2945	US-10-210-028-6	Sequence 6, Appl1
80	2945	100.0	2945	US-10-162-521A-6	Sequence 6, Appl1

81	2945	100.0	2945	US-10-211-858-15	Sequence 15, Appl1
93	2945	100.0	2945	US-10-918-851-6	Sequence 6, Appl1
94	2945	100.0	2945	US-10-805-667-6	Sequence 6, Appl1
95	2945	100.0	2945	US-10-897-359-6	Sequence 6, Appl1
96	2945	100.0	2945	US-10-893-802-6	Sequence 6, Appl1
97	2945	100.0	2945	US-10-897-360-6	Sequence 6, Appl1
99	2945	100.0	2945	US-11-129-762-6	Sequence 6, Appl1
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101	2932.2	99.6	4031	US-10-367-057-153	Sequence 153, App
102	2747.6	93.3	3339	US-10-096-841-113	Sequence 113, App
103	2543.2	86.4	2744	US-10-264-221-921	Sequence 921, App
104	2332.2	79.2	2572	US-10-351-334-44	Sequence 44, Appl
105	2332.2	79.2	2572	US-10-472-533-99	Sequence 99, Appl
106	1713.2	58.2	2531	US-10-956-157-2290	Sequence 2290, Ap
107	1540.2	52.3	1570	US-10-169-596A-1	Sequence 1, Appl
108	1479.4	50.2	1481	US-10-839-882-27	Sequence 27, Appl
109	1470.2	49.9	1476	US-10-489-125B-4	Sequence 4, Appl
110	1435.8	48.8	2593	US-10-169-596A-15	Sequence 15, Appl
111	1096.2	37.2	2956	US-10-357-930-23121	Sequence 23121, A
112	1096.2	37.2	2956	US-10-357-930-28991	Sequence 28991, A
113	753.2	25.6	1972	US-10-450-763-10328	Sequence 10328, A
114	705	23.9	930	US-10-450-763-10327	Sequence 10327, A
115	563	19.1	564	US-10-052-283-234	Sequence 234, App
150	502.6	17.1	535	US-10-167-749-8	Sequence 8, Appl
186	502.6	17.1	535	US-10-170-481A-8	Sequence 8, Appl
188	502.6	17.1	535	US-10-210-028-8	Sequence 8, Appl
193	502.6	17.1	535	US-10-162-521A-8	Sequence 8, Appl
208	502.6	17.1	535	US-10-897-360-8	Sequence 8, Appl
209	502.6	17.1	535	US-10-897-360-8	Sequence 8, Appl
210	502.6	17.1	535	US-10-897-360-8	Sequence 8, Appl
211	502.6	17.1	535	US-11-129-762-8	Sequence 8, Appl
212	498.4	16.9	1472	US-10-450-763-21200	Sequence 21200, A
213	458.2	15.6	516	US-09-918-995-41490	Sequence 21490, A
214	448.8	15.2	452	US-10-242-535A-46216	Sequence 46216, A
215	448.8	15.2	452	US-10-085-783A-46216	Sequence 46216, A
216	428.8	14.6	483	US-09-918-995-24339	Sequence 24339, A
217	423.2	14.4	466	US-09-918-995-21886	Sequence 21886, A
218	421.4	14.3	424	US-10-242-535A-58035	Sequence 58035, A
219	421.4	14.3	424	US-10-085-783A-58035	Sequence 58035, A
220	403.8	13.7	485	US-09-918-995-31543	Sequence 31543, A
221	376	12.8	387	US-10-242-535A-47817	Sequence 47817, A
222	376	12.8	387	US-10-085-783A-47817	Sequence 47817, A
223	347.4	11.8	361	US-10-242-535A-54937	Sequence 54937, A
224	347.4	11.8	361	US-10-085-783A-54937	Sequence 54937, A
225	339.8	11.5	667	US-09-969-024-4395	Sequence 4395, Ap
226	335.6	11.4	434	US-10-167-749-9	Sequence 9, Appl
227	335.6	11.4	434	US-10-170-481A-9	Sequence 9, Appl
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229	335.6	11.4	434	US-10-162-521A-9	Sequence 9, Appl
230	335.6	11.4	434	US-10-897-359-9	Sequence 9, Appl
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232	335.6	11.4	434	US-10-897-359-9	Sequence 9, Appl
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249	335.6	11.4	434	US-10-897-359-9	Sequence 9, Appl
250	335.6	11.4	434	US-10-897-359-9	Sequence 9, Appl
251	335.6	11.4	434	US-10-897-359-9	Sequence 9, Appl
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OM nucleic - nucleic search, using sw model

Run on: November 4, 2005, 13:42:35 ; Search time 713 Seconds

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6758.534 Million cell updates/sec

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Perfect score: 2945

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Total number of hits satisfying chosen parameters: 2405568

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 1500 summaries

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Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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4	47.4	1.6	5175	4	US-09-902-540-774
5	47.2	1.6	7218	1	US-08-233-463-14
6	46.8	1.6	134987	4	US-09-949-016-15348
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9	46.8	1.6	134987	4	US-09-949-016-15351
10	46.8	1.6	134987	4	US-09-949-016-15352
11	46.8	1.6	134987	4	US-09-949-016-15353
12	46.8	1.6	134987	4	US-09-949-016-15354
13	46.8	1.6	134987	4	US-09-949-016-15355
14	46.8	1.6	134987	4	US-09-949-016-15356
15	46.8	1.6	134987	4	US-09-949-016-15357
16	46.8	1.6	134987	4	US-09-949-016-15358
17	46.8	1.6	134987	4	US-09-949-016-15359
18	46.8	1.6	134987	4	US-09-949-016-15360
19	46.8	1.6	134987	4	US-09-949-016-15361
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22	46.8	1.6	134987	4	US-09-949-016-15364
23	46.8	1.6	134987	4	US-09-949-016-15365
24	46.8	1.6	134987	4	US-09-949-016-15366
25	46.8	1.6	134987	4	US-09-949-016-15367
26	46.8	1.6	134987	4	US-09-949-016-15368
27	46.8	1.6	134987	4	US-09-949-016-15369

28	43.2	1.5	1230025	4	US-09-198-452A-1	Sequence 1, Appli
29	43.2	1.5	1230230	4	US-09-438-185A-1	Sequence 1, Appli
30	43	1.5	12313	4	US-09-949-016-13248	Sequence 13248, A
31	43	1.5	123513	4	US-09-949-016-15794	Sequence 15794, A
32	42.6	1.4	1302	4	US-09-489-039A-2573	Sequence 2573, Ap
33	42.6	1.4	1617	4	US-09-489-039A-2262	Sequence 2262, Ap
34	42.6	1.4	640681	4	US-09-790-988-1	Sequence 1, Appli
35	42.4	1.4	6336	4	US-09-949-016-12895	Sequence 12895, A
36	42.4	1.4	30820	4	US-09-949-016-17145	Sequence 17145, A
37	42	1.4	19124	2	US-08-487-826B-13	Sequence 13, Appli
38	41.8	1.4	601	4	US-09-949-016-37931	Sequence 37931, A
39	41.8	1.4	601	4	US-09-949-016-142724	Sequence 142724, A
40	41.8	1.4	1866	4	US-09-601-198-153	Sequence 153, App
41	41.8	1.4	34011	4	US-09-949-016-12485	Sequence 12485, A
42	41.8	1.4	49003	4	US-09-949-016-16265	Sequence 16265, A
43	41.8	1.4	101674	4	US-09-949-016-12033	Sequence 12033, A
44	41.6	1.4	474	4	US-09-621-976-12603	Sequence 12603, A
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46	41.6	1.4	109025	4	US-09-949-016-17567	Sequence 17567, A
47	41.4	1.4	353	4	US-09-621-976-9783	Sequence 9783, Ap
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53	41.2	1.4	139049	4	US-09-949-016-17030	Sequence 17030, A
54	41	1.4	601	4	US-09-949-016-148025	Sequence 148025, A
55	41	1.4	601	4	US-09-949-016-148026	Sequence 148026, A
56	41	1.4	601	4	US-09-949-016-148027	Sequence 148027, A
57	41	1.4	601	4	US-09-949-016-148028	Sequence 148028, A
58	41	1.4	601	4	US-09-949-016-148029	Sequence 148029, A
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61	41	1.4	601	4	US-09-949-016-148133	Sequence 148133, A
62	41	1.4	601	4	US-09-949-016-148134	Sequence 148134, A
63	41	1.4	601	4	US-09-949-016-148135	Sequence 148135, A
64	41	1.4	601	4	US-09-949-016-187345	Sequence 187345, A
65	41	1.4	7374	3	US-09-014-583-1	Sequence 1, Appli
66	41	1.4	1337	4	US-09-252-991A-11683	Sequence 11683, A
67	41	1.4	1536	4	US-09-252-991A-11555	Sequence 11555, A
68	41	1.4	1667	1	US-08-485-284A-1	Sequence 1, Appli
69	41	1.4	98701	4	US-09-949-016-15898	Sequence 15898, A
70	41	1.4	98701	4	US-09-949-016-15899	Sequence 15899, A
71	41	1.4	129380	4	US-09-949-016-12544	Sequence 12544, A
72	40.8	1.4	601	4	US-09-949-016-86304	Sequence 86304, A
73	40.8	1.4	601	4	US-09-949-016-86305	Sequence 86305, A
74	40.8	1.4	1464	4	US-09-902-540-7929	Sequence 7929, Ap
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76	40.8	1.4	4403765	3	US-09-103-840A-2	Sequence 2, Appli
77	40.8	1.4	4411529	3	US-09-103-840A-1	Sequence 1, Appli
78	40.6	1.4	1041	4	US-09-252-991A-5300	Sequence 5300, Ap
79	40.6	1.4	1341	4	US-09-252-991A-5263	Sequence 5263, Ap
80	40.6	1.4	167708	4	US-09-949-016-16423	Sequence 16423, A
81	40.6	1.4	421491	4	US-09-949-016-12805	Sequence 12805, A
82	40.6	1.4	421494	4	US-09-949-016-14060	Sequence 14060, A
83	40.4	1.4	1141	4	US-09-806-708B-22	Sequence 22, Appli
84	40.4	1.4	3826	3	US-09-302-620B-90	Sequence 90, Appli
85	40.4	1.4	227330	4	US-09-949-016-12201	Sequence 12201, A
86	40.4	1.4	427331	4	US-09-949-016-13365	Sequence 13365, A
87	40.4	1.4	427331	4	US-09-949-016-12966	Sequence 12966, A
88	40.4	1.4	427331	4	US-09-949-016-17305	Sequence 17305, A
89	40.4	1.4	451295	4	US-08-916-421B-1	Sequence 1, Appli
90	40.4	1.4	1664976	4	US-09-692-570-1	Sequence 1, Appli
91	40.4	1.4	601	4	US-09-949-016-37933	Sequence 37933, A
92	40.2	1.4	601	4	US-09-949-016-37934	Sequence 37934, A
93	40.2	1.4	601	4	US-09-949-016-37935	Sequence 37935, A
94	40.2	1.4	601	4	US-09-949-016-142726	Sequence 142726, A
95	40.2	1.4	601	4	US-09-949-016-142727	Sequence 142727, A
96	40.2	1.4	601	4	US-09-949-016-142728	Sequence 142728, A
97	40.2	1.4	1332	4	US-09-270-767-19568	Sequence 19568, A
98	40.2	1.4	1332	4	US-09-270-767-19568	Sequence 1, Appli
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